## INTERNATIONAL SEARCH REPORT

| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G09G3/34  |   |  |                        |  |  |  |  |  |
|---|---|--|------------------------|--|--|--|--|--|
|   |   |  |                        |  |  |  |  |  |
| According to International Patent Classification (IPC) or to both national classification and IPC                             |   |  |                        |  |  |  |  |  |
| B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)                 |   |  |                        |  |  |  |  |  |
| IPC 7 G09G  |   |  |                        |  |  |  |  |  |
| $\cdot$   |   |  |                        |  |  |  |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched |   |  |                        |  |  |  |  |  |
|   |   |  |                        |  |  |  |  |  |
| Electronic data base consulted during the International search (name of data base and, where practical, search terms used)    |   |  |                        |  |  |  |  |  |
| EPO-Int   | ternal, PAJ, INSPEC   |  | '                      |  |  |  |  |  |
|   |   |  |                        |  |  |  |  |  |
|   | ·   |  |                        |  |  |  |  |  |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT  |   |  |                        |  |  |  |  |  |
| Category °  | Citation of document, with indication, where appropriate, of the releva   | nt passages  | Relevant to claim No.  |  |  |  |  |  |
|   | 110 0000 (000075 AT (MACUTEA VOCUTAGE   | D.T. 'ET   | 1.0.15                 |  |  |  |  |  |
| A   | US 2003/063076 A1 (MACHIDA YOSHINO<br>AL) 3 April 2003 (2003-04-03)   | 1,8,15   |                        |  |  |  |  |  |
|   | paragraph '0087! - paragraph '0101  | ! .  |                        |  |  |  |  |  |
|   | paragraph '0143! - paragraph '0155!   |  |                        |  |  |  |  |  |
|   | figures 5,6,15-18   |  |                        |  |  |  |  |  |
| Α   | 1,5,15  |  |                        |  |  |  |  |  |
|   | AL) 26 December 2002 (2002-12-26) paragraph '0100! - paragraph '0106!;  |  |                        |  |  |  |  |  |
|   | figures 4-8   | /• <b>,</b>  |                        |  |  |  |  |  |
| "   |   |  |                        |  |  |  |  |  |
|   |   |  |                        |  |  |  |  |  |
|   |   |  |                        |  |  |  |  |  |
|   |   |  |                        |  |  |  |  |  |
|   |   |  |                        |  |  |  |  |  |
|   |   |  | ,                      |  |  |  |  |  |
|   |   |  | ,                      |  |  |  |  |  |
|   |   |  |                        |  |  |  |  |  |
| Fui   | rther documents are listed in the continuation of box C.  | Y Patent family members are listed   | in annex.              |  |  |  |  |  |
| ° Special o   | categories of cited documents:  | T" later document published after the int  | ernational filing date |  |  |  |  |  |
|   | nent defining the general state of the art which is not<br>sidered to be of particular relevance  | or priority date and not in conflict with<br>cited to understand the principle or the<br>invention |                        |  |  |  |  |  |
| "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention  |   |  |                        |  |  |  |  |  |
| "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone        |   |  |                        |  |  |  |  |  |
| citat   | which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or "y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document. |  |                        |  |  |  |  |  |
| othe  | other means ments, such combination being obvious to a person skilled   |  |                        |  |  |  |  |  |
| later   | "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family  |  |                        |  |  |  |  |  |
| Date of th  | Date of the actual completion of the international search  Date of malling of the International search report   |  |                        |  |  |  |  |  |
|   | 22 October 2004   | 29/10/2004   |                        |  |  |  |  |  |
| Name an   | d mailing address of the ISA  | Authorized officer   |                        |  |  |  |  |  |
|   | European Patent Office, P.B. 5818 Patentlaan 2<br>NL – 2280 HV Rijswijk   |  |                        |  |  |  |  |  |
|   | Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016  | Farricella, L  |                        |  |  |  |  |  |

## INTERNATIONAL SEARCH REPORT

information on patent family members

Int: Onal Application No
PCT/IB2004/051183

| Patent document cited in search report |    | Publication date |    | Patent family member(s) | Publication date |
|--|----|------------------|----|-------------------------|------------------|
| US 2003063076                          | A1 | 03-04-2003       | JP | 2003107536 A            | 09-04-2003       |
| US 2002196207                          | Á1 | 26-12-2002       | JP | 2003005227 A            | 08-01-2003       |

Form PCT/ISA/210 (patent family annex) (January 2004)